

SAKSONOVA, Ye.O.; PETROPAVLOVSKAYA, G.A.; KOPTSIOVSKAYA, R.S.

Use of andaxin in cataract extraction. Uch. zap. GNII glaz.
bol. no.8:109-112'63. (MIRA 16:9)

1. Gosudarstvennyy nachno-issledovatel'skiy institut glaznykh
bolezney imeni Gel'mgol'tsa.
(MEPROBAMATE) (CATARACT)

VILENKINA, A.Ya., doktor med. nauk; SAKSONOVA, Ye.O.;
GRIGOR'YANTS, T.N.; ARIYEVICH, A.M., prof.;
STEPANISHCHEVA, Z.G., doktor biolog. nauk

Aspergillosis of the cornea. Vest. oft. 76 no.3:55-56
My-Je '63. (MIRA 17:2)

1. Institut glaznykh bolezney imeni Gel'mgol'tsa i TSentral'-
nyy kozhno-venerologicheskii institut.

SAKSONSKIY, M.

Efficiency promotion at the Novo-Kopylov machine-tractor station.

Izobr. v SSSR 2 no.1:38 Ja '57.

(MIRA 10:4)

(Machine-tractor stations)

1. SAKUKHANYAN, F. G., SEVCYAN, A. G.
2. USSR (600)
4. Fruit Wines
7. Problem of the fermentation of fruit and berry musts. Mikrobiol. sbor. no. 6 1951

Monthly Lists of Russian Accessions, Library of Congress, March, 1953, Unclassified.

SAKULIC M.
SAKULIC M.

1. "The Fourteenth Regular Congress of the Pharmaceutical Society of Serbia, Belgrade, 1961", published in the periodical of the Pharmaceutical Society of Serbia, pp 137-139.
2. "Cooperation of the Institute for Study of the Drug Plants with the Streets and Organisms in Serbia, Montenegro and Macedonia on the Study of the Drug Plants and the Advancement of the Study of the Qualitative Drugs", published in the periodical of the Institute for Study of the Drug Plants of the Republic of Serbia, pp 151-152.
3. "Pharmacists in the First Year of Peoples Revolution", R. Latic, pp 152-156.
4. "Quantity of Alkaloids in the Potatoes of Anacardium Divergens Fenzl. in Dependence from the Conditions of Settlement", R. Nikolic, pp 157-169.
5. "The Substance of Nicotine and Arsenic in some of Our Cigarettes and the Quantities Found in the Organisms while Smoking", B. Stankovic, M. Stankovic and S. Radulovic, published in the periodical of the Institute of the Pharmaceutical Faculty in Belgrade (Institute for toxicological research), pp 171-176.
6. "Supplements to the Study of the Potatoes of Anacardium Divergens Fenzl. in Dependence from the Conditions of Settlement", R. Latic, pp 177-182.
7. "O-Resorcinol Protein", B. Stankovic, R. Stankovic, published in the periodical of the Pharmaceutical Faculty in Belgrade (Institute for toxicological research), pp 183-185.

SAKULIN, A. I.

Epp
.791600

Dokumental'naya Reviziya Na Predpriyatiyakh Mestnoy Promyshlennosti
(Documentary Inspection in Enterprises of Local Industry, by) V. G.
Kovalevskiy, A. I. Krainskiy, A. I. Sakulin. Moskva, Gosgizmetprom, 1955.

115 p. tables.

SAKULIN, B.P.

Design of sliding calipers should be changed. Izm.tekh. no.4:56 Ap '61.
(MIRA 14:3)

(Calipers)

SAKULIN, I.P.; STREL'TSOVA, V.N.; RESHETNIKOVA, A.F.; DAVYDOVA, A.L.;
~~STEPANOVA~~, S.V.

Data on the epidemiology of influenza in Sverdlovsk in 1959. Zhur.
mikrobiol. epid. i immun. 31 no. 121-124 0 '60. (MIRA 13:12)

1. Iz Sverdlovskogo meditsinskogo instituta.
(SVERDLOVSK—INFLUENZA)

SAKULIN, I.P.; STREL'TSOVA, V.N.; RESHETNIKOVA, A.F.; DAVYDOVA, A.L.;
STEPANOVA, S.V.

Material on the epidemiology of influenza in Sverdlovsk in 1959.
Zhur.mikrobiol.epid.i immun. 32 no.1:137-140 Ja '61. (MIRA 14:6)

1. Iz kafedry epidemiologii Sverdlovskogo meditsinskogo instituta.
(SVERDLOVSK--INFLUENZA)

VISHNEVSKIY, V.L., glav. red.; MILLER, S.V., prof., red.; MATS,
OSHCHEPKOVA, A.N., red.; SAKULIN, I.P., dots., red.;
ROSTIK, M.B., red.

[Materials of the Second Scientific and Practical Conference of Sverdlovsk City and Province Sanitary and Epidemiological Station] Materialy Vtoroi nauchno-prakticheskoi konferentsii Sverdlovskoi gorodskoi i oblastnoi sanitarno-epidemiologicheskikh stantsii. Sverdlovsk, 1962. 223 p.

(MIRA 17:5)

1. Nauchno-prakticheskaya konferentsiya Sverdlovskoy gorodskoy i oblastnoy sanitarno-epidemiologicheskikh stantsii. 2d, Sverdlovsk, 1961. 2. Zaveduyushchiy Sverdlovskim oblastnym otделom zdravookhraneniya (for Vishnevskiy).
2. Sverdlovskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya (for Rostik).

SAKULINA, A.N., kandidat meditsinskikh nauk

Control of atonic postpartum hemorrhage by an ether tamponade in the vagina according to P.A.Guzikov's method. Akush. i gin. 33 no.2: 86-88 Mr-Apr '57. (MLRA 10:6)

1. Iz akushersko-ginekologicheskoy kliniki Molotovskogo meditsinskogo instituta.

(PUERPERIUM, hemorrh.

control by ether tamponade, Guzikov's method)

(ETHER, ETHYL, ther. use

control of puerperal hemorrh. by vaginal ether tamponade by Guzikov's method)

MIKHAYLOV, A.N., otv.red.; SAKULINSKAYA, M.G., otv.red.; GULINOVA, N.V.,
nauchnyy sotrudnik, retsenzent; KACHAYEVA, O.L., nachnyy sotrudnik,
retsenzent; POPOVSKAYA, O.M., nachnyy sotrudnik, retsenzent;
POBETOVA, T.A., nachnyy sotrudnik, retsenzent; RUDNEV, V.M.,
nachnyy sotrudnik, retsenzent; SAVZDARG, S.F., nachnyy sotrudnik,
retsenzent; USHAKOVA, T.V., red.; VLADIMIROV, O.G., tekhn.red.

[Agroclimatic reference book on Chuvashia] Agroklimaticheskii
spravochnik po Chuvashskoi ASSR. Leningrad, Gidrometeor.izd-vo,
1960. 127 p. (MIRA 13:11)

1. Gorkiy. Gidrometeorologicheskaya observatoriya. 2. Tsentral'nyy
institut prognozov (for Gulanova, Kachayeva, Popovskaya, Pobetova,
Rudnev, Savzdarg).
(Chuvashia--Crops and climate)

MIKHAYLOV, A.N., otv.red.; ~~SAKULINSKAYA, M.G.~~ otv.red.; LIVSHITS, B.Ye.,
red.; SERGEYEV, A.N., tekhn.red.

[Agroclimatic manual for Ivanovo Province] Agroklimaticheskii
spravochnik po Ivanovskoi oblasti. Leningrad, Gidrometeor.
izd-vo, 1960. 131 p. (MIRA 14:4)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorolo-
gicheskoy sluzhby. Verkhne-Volzhskoye upravleniye.
(Ivanovo Province--Crops and climate)

BEREZINA, Ye.Kh.; ZAYTSEVA, A.I.; SAKULINSKAYA, M.G.; VISHNEVSKAYA, O.P.;
MEZINA, A.A.; MIKHEYEV, Ya.M.; BELOBORODOV, P.A. Primali
uchastiye: BASHKATOVA, Z.V.; OLEYNIKOVA, Ye.I.; SIBIRYAKOVA, A.A.
MIKHAYLOV, A.N., otv.red.; LIVSHITS, B.Kh., red.; VLADIMIROV,
O.G., tekhn.red.

[Agroclimatic manual for Kirov Province] Agroklimaticheskii spravochnik po Kirovskoi oblasti. Leningrad, Gidrometeor.izd-vo, 1960.
190 p. (MIRA 14:3)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye gidrometeorologicheskoy sluzhby. Verkhne-Volzhskoye upravleniye.
(Kirov Province--Crops and climate)

SAKULINSKIY, L.P., inzh.

Change requirements concerning standard designs of industrial
plants. Prom.stroi. 38 no.6:56-57 '60.

(MIRA 13:7)

(Factories--Design and construction)

SAKUN, A.N.
SAKUN, A.N.; KAGANOVICH, I.I.

Decreasing the distance between sugar mills and their sewage disposal
beds. Sakh. prom. 31 no.10:33-34 0 '57. (MIRA 11:1)

1. Ukgiproprod.
(Sugar industry) (Sewage disposal)

SAKUN, A.

Floating intake shaft-pump, Sel'. stroi, 12 no.3:17 Mr '58.
(Pumping machinery) (Artesian wells) (MIRA 11:3)

SAKUN, A.N.

Controlling the water system at sugar plants. Sakh. prom. 32
no.5:55-57 My '58. (MIRA 11:6)

1. Ukr giproprod.
(Sugar industry--Water supply)

SAKUN, A.N. (Kiyev)

Examples for reducing the construction cost of sewerage and water-supply structures in the design practice of the Ukgiproprod. Vod.
i san. tekhn. no.12:15-18 D '59. (MIRA 13:3)
(Sewerage) (Water-supply engineering)

SAKUN, A.N.

Wider use of glass pipes in the canning industry. Kons. i ov. prom.
14:7-11 N '59. (MIRA 13:2)

1. Ukgiproprod. (Pipe, Glass) (Canning industry--Equipment and supplies)

SAKUN, A., inzh.

Water boilers for livestock farms. Sel'.stoi. 14 no.12:28
D '59. (MIRA 13:4)

(Boilers)

SAKUN, A.N.

Glass pipes. Spirt. prom. 25 no.4:9-13 no.4:9-13 '59.
(MIRA 12:7)
(Pipe, Glass)

BAGLYUK, A.D.; BANDYLOV, A.P.; MARISHCHENKO, V.V.; ANUCHIN, P.F.;
KRASNOSLOBODTSEV, N.A.; SAKUN, A.N.; KOZLOV, Ye.A.; KHOMENKO,
V.S.; MAKSIMUK, P.S.

Survey of letters and articles. Sakh. prom. 33 no.2:58-60
F '59. (MIRA 12:3)

- 1.Kamenskiy sakharnyy zavod (for Baglyuk).
 - 2.Sokolovskiy sakhar-
nyy zavod (for Bandylov).
 - 3.Yagotinskiy sakharnyy zavod imeni
Il'icha (for Marishchenko).
 - 4.Uzinskiy sakharnyy zavod (for
Anuchin).
 - 5.Novo-Troitskiy sakharnyy zavod (for Krasnoslobodtsev).
 - 6.Ukrgiproved (for Sakun).
 - 7.Khutor-Mikheylovskiy rafinadnyy zavod
(for Kozlov).
 - 8.Shpolyanskiy sakharnyy zavod (for Khomenko).
 - 9.Kupyanskiy sakharnyy zavod (for Maksimuk).
- (Sugar industry) (Sugar beets)

SAKUN, A.N.

Example of the lowering of construction costs of waste
water lagoons. Sakh.prom. 33 no.10:30-31 0 '59.
(MIRA 13:3)

1. Ukrqipropod.
(Sewage--Purification) (Sugar industry)

SAKUN, A.N. (Kiyev); KAGANOVICH, I.I. (Kiyev)

Reducing the sanitary protection zone between the filtration
fields, residential quarters, and the main building of currently
operated sugar factories. Vod.i san.tekh. no.4:29-30
Ap '60. (MIRA 13:6)

(Sewage--Purification)

S/099/60/000/006/001/002
A163/A133

AUTHOR: Sakun, A.N., Engineer

TITLE: Utilizing glass tubes for the construction of outside mains

PERIODICAL: Gidrotekhnika i melioratsiya, no. 6, 1960, 25 - 30

TEXT: The purpose of the article is to point out the advantages of glass tubes over those made from cast-iron, steel, etc., and used for the construction of water-supply lines. Experience gathered with the operation of glass pipelines revealed that preference should be given to the production of tubes from low-alkali No. 138 (No. 13 v) glass. The Gomel'skiy stekol'nyy zavod im. Stalina (Gomel' Glass Plant im. Stalin) and other enterprises are now turning out such tubes. According to GOST (GOST) 8894-58, the USSR industry produces glass tubes of various lengths ranging from 1.5 to 3 m, with diameters of 45, 68, 93 and 122 mm, and a corresponding minimum wall thickness of 3, 4, 5 and 6 mm. The utilization of glass tubes for the construction of outside water mains has not been studied in the USSR adequately so far. The Ministry of Agriculture of the UkrSSR has partly built water pipelines at the "Bortnichi" State Farm of the Kiyevskoye oblastnoye upravleniye sovkhozov (Kiev Oblast' Sovkhoz Administration). Planning and design-

Card 1/3

S/099/60/000/006/001/002
A163/A133

Utilizing glass tubes for the construction of....

ing work for the water-supply line was carried out by the Ukrsovkhozlesproyekt. The organization studied the results of the experience gathered with glass pipes in Moscow on Sovkhozes near Moscow and in Czechoslovakia. An expedient coupling of glass tubes is one of the main problems in laying outside water-supply lines. At the "Bortnichi" State Farm used socket joints were developed by I. Vimer. The joint consists of a clamp, a ring composed of three segments, and of a rubber collar. The outside part of the joint should be made from plastic material and not from cast iron. At present, big-lot production of plastic joints for glass tubes is being organized at the experimental workshops of the Akademiya stroitel'stva i arkhitektury USSR (Academy of Construction and Architecture of the UkrSSR) in Kiev. In comparison to other joints, Vimer's connection piece is simple in its design, more elastic and waterproof, withstands a higher water pressure, and may be quickly assembled. In addition to this joint, a number of other unions are to be tested. An illustration shows the joinings of glass tubes with the aid of a two-collar asbestos-cement socket joint consisting of the union itself and a rubber ring. It can resist a hydraulic pressure of up to 8 atm. To prevent the rubber ring from protruding on the side of the working collar, the joint is smeared with an asbestos-cement mass. Such joints are rather easily assembled and are relatively cheap. It is, however, advisable to fit T-section rubber linings to

Card 2/3

Utilizing glass tubes for the construction of....

S/099/60/000/006/001/002
A163/A133

the ends of the glass tubes. Rather elastic and simple to assemble is another joint, composed of the union itself and of V-shaped rubber collars. It resists a pressure of more than 10 atm. Another boltless connecting piece consists of two steel flanges and a steel ring. The metal part of the boltless joint may be produced from plastic material or cast-iron. Each flange is fitted with two rubber rings, and a T-shaped rubber lining placed between the ends of the tubes. When laying glass tubes, the bottom of the trench is to be levelled with a 10 - 20 cm thick sand layer and the laid tubes covered with sand up to a height of 0.1 - 0.3 m. The 0.5 m ground above the tubes should then be slightly packed. During the construction of the first stage of the "Bortnichi" Sovkhoz, a glass water-supply line with a total length of 400 running meters was built. Not even one glass tube was damaged during the laying. When the whole line was subjected to hydraulic tests, only one tube leaked. On October 17, 1959, the trench was completely filled with earth, and the line has been in operation under a permanent working pressure of 2.2 atm. ever since. There are 7 figures.

ASSOCIATION: Ukrgiproprod

Card 3/3

SAKUN, A.N.

Mounting and operating asbestos-cement pipes. Sakh.prom. 34 no.6:
47-48 Je '60. (MIRA 13:7)

1. Ukgiproprod.
(Pipe, Asbestos-cement)

SAKUN, A.^{N.}, inzh.

Small pumping station. Sel'.stoi. 15 no.6:30 Je '60.
(MIRA 13:8)
(Pumping stations)

SAKUN, A. N.

Mounting and using glass pipes. Spirt.prom. 26 no.3:18-23 '60.
(MIRA 13:10)

(Liquor industry--Equipment and supplies)
(Pipe, Glass)

SAKUN, A., inzh.

Effective types of butt joints of asbestos-cement pipes. Sel'.
stoi. 15 no. 3:26 Mr '61. (MIRA 14:5)
(Pipe, Absestos-cement)

SAKUN, A.N.

Polyethylene pipes. Kons. i ov. prom. 16 no.11:23-24 N '61.
(MIRA 14:11)

1. Ukgiproprod.
(Pipe, Plastic)

SAKUN, A. N., inz.

Sewerage of one-family dwelling houses. Gaz woda techn sanit 36 no. 4:
150-151. Ap '62

1. Ukgiprcpred

SAKUN, A.N. (Kiyev)

Use of plywood pipes. Vod. i san. tekhn. no.10:34-37 0 '60.

(MIRA 13:11)

(Pipe, Wooden)

SAKUN, I., kand. ekon. nauk; PETRENKO, N., inzh.-mekhanik

Enlarged crews of machine operators. Nauka i pered. op. v
sel'khoz 9 no.5:6-9 My '59. (MIRA 12:8)
(Farm management) (Agricultural machinery)

124-1957-10-11469

Sakun, I. A.

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 42 (USSR)

AUTHOR: Sakun, I. A.

TITLE: On the Selection of the Internal Compression Ratio for an Axial Compressor (K voprosu o vybore stepeni vnutrennego szhatiya vintovogo kompressora)

PERIODICAL: Tr. Leningr. voyen.-mekhan. in-ta, 1955, Nr 3, pp 74-79

ABSTRACT: The paper investigates the operating conditions of an axial compressor working in a subnormal regimen when the internal compression-pressure p_a does not equal the delivery pressure p_n . In order to establish the magnitude of the relative thermodynamic losses during the subnormal compressor operation, the Author introduces the concept of a theoretical work-increment coefficient K_{wi} which indicates how much greater the theoretical work of compression of a unit gas volume is during the subnormal operation than during normal operation, i.e., when $p_n = p_a$. The formula obtained for the theoretical work-increment coefficient does not cover the gasdynamic losses in the compressor, the gas leakage, or other losses. $K_{wi} = 1$ during normal operation; in

Card 1/2

124-1957-10-11469

On the Selection of the Internal Compression Ratio (cont.)

all other cases $K_{wi} > 1$. It is concluded that the compressor operation is less economical, when the delivery pressure is not equal to the internal pressure, than during normal conditions, when both pressures are equal. It is shown, on the basis of an analysis of the K_{wi} , that an important property of an axial compressor with an uncontrolled internal compression ratio, is an optimum operating economy within a comparatively wide range of variations in the delivery pressure. This range is expanded further with an increase in the internal compression ratio.

A. S. Ginevskiy

Card 2/2

SAKUN, I.A., kand. tekhn. nauk.

Analytic method for determining the conjugated profiles and the line
of contact for the teeth of screw compressors. *Energomashinostroenie*
4 no.8:12-16 Ag '58. (MIRA 11:11)
(Compressors)

PHASE I BOOK EXPLOITATION

SOV/4516

Sakun, Ivan Akimovich

Vintovyye kompressory (Screw-Type Compressors) Moscow, Mashgiz, 1960. 359 p.
Errata slip inserted. 6,000 copies printed.

Reviewer: K.I. Strakhovich; Eds.: A.E. Zhmud', Engineer, and B.S. Fotin, Candidate of Technical Sciences; Managing Ed. for Literature on the Design and Operation of Machines (Leningrad Department, Mashgiz): F.I. Fetisov, Engineer; Ed. of Publishing House: V.P. Vasil'yeva; Tech. Ed.: P.S. Frumkin.

PURPOSE: This book is intended for technical and scientific personnel concerned with compressor building and for students studying compressors at schools of higher technical education.

COVERAGE: The author discusses the theory and methods of designing screw-type compressors. Necessary theoretical and experimental data are included. Analytical equations for determining basic parameters of a compressor and for determining the geometry of the rotor, cutting tools, and measuring instruments are also given. Various constructional quantities, and kinematic and thermodynamic parameters are studied from the standpoint of their effect on the basic performance indices of a compressor. The author has used data ob-
Card 1/7

Screw-Type Compressors

SOV/4516

tained from the testing of a screw-type compressor. These tests were carried out by the Leningradskiy korablestroitel'nyy institut (Leningrad Ship-building Institute) in cooperation with the Lensovnarkhoz. The author thanks Engineers B.L. Grinpress and Yu.L. Semenov. There are 70 references: 51 Soviet, 14 English, 3 German, 1 Swedish, and 1 Polish.

TABLE OF CONTENTS:

Foreword	3
Introduction	5
Ch. I. Construction and Working Principle of Screw-Type Compressors	7
1. Arrangement and working principle of a screw compressor	7
2. Construction and basic parts of a screw compressor	13
3. Characteristics of screw compressors	35
4. Application of screw compressors. Comparison with other types of compressors	39
Ch. II. Thread-Profile Design of Screw-Type Compressors	46
5. Basic requirement for intermeshing of screws	46
Card <u>2/7</u>	

SAKUN, I. F.

Collective Farms

Organization of labor on collective farms of the
Zhashkov District. Sots. zhiv. 14 no. 4:65-67 April, 1952.

Monthly List of Russian Accessions, Library of Congress,
July, 1952. UNCLASSIFIED.

SAKUN, I.F. naukovyi spivrobitor; KUTSURUBA, M.V., naukovyi spivrobitor;
PETRENKO, M.P., inzh.-mekhanik

Labor required in the over-all mechanization of sugar beet growing.
Mekh. sil'. hosp. [9] no.5:14-15 My '58. (MIRA 11:6)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut sakharney svekly.
(Ukraine--Sugar beets) (Labor productivity)

SAKUN, I.O., kand. ekon. nauk; PETRENKO, M.P., inzhener-mekhanik

Increase the production of sugar beets with least expenditures
of labor. Mekh. sil' hosp. 10 no. 4:13-14 Ap '59.

(MIRA 12:6)

(Sugar beets)

SAKUN, K

SOV/14-57-12-25374

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 12,
p 10 (USSR)

AUTHOR: Sakun, K.

TITLE: Conducting Long-Distance Excursions to Distant Points
(Z dosvidu provedennya dalekykh ekskursiy-- in
Ukrainian)

PERIODICAL: V sb: Krayeznavstvo v shkoli Nr 3, Kyiv, "Radyans'ka
shkola", 1956, pp 53-61

ABSTRACT: This paper describes a ten-day trip taken by a group
of geography students from one of the schools of Kiyev.
Their itinerary extended from Kiyev to Losyatin,
Belaya Tserkov', the Ros' River, Boguslav, Korsun'-
Shevchenkovskiy, Kanav, and back to Kiyev.

No name

Card 1/1

SAKUN, L. M.

Dairying

Organization of labor on collective farms of the
Zhashkov District. Sots. zhiv. 14 no. 4:65-67 April, 1952.

Monthly List of Russian Accessions, Library of Congress,
July, 1952. UNCLASSIFIED.

SHKUN, O. F.
USSR/Medicine - Endocrinology

Card 1/1 Pub. 22 - 47/48

Authors : Sakun, O. F.

Title : Analysis of the functions of sexual glands of male and female fish in connection with the spawning characteristics

Periodical : Dok. AN SSSR 98/3, 505-507, Sep 21, 1954

Abstract : The sexual gland functions of male and female fish were investigated in connection with the spawning characteristics and the results are described. Eight USSR references (1939-1952). Illustrations.

Institution : Central Laboratory of Pisciculture

Presented by: Academician E. N. Pavlovskiy, May 14, 1954

SAKUN, O. F.

USSR/Biology - Histology

Card 1/1 : Pub. 22 - 40/49

Authors : Sakun, O. F.

Title : Histological analysis of (Vimba Vimba L.) salmon sperms in the post-spawning period

Periodical : Dok. AN SSSR 98/4, 657-659, Oct. 1, 1954

Abstract : Results obtained from a histological analysis of Vimba Vimba L. salmon sperms during the post-spawning period are described. Six USSR references (1927-1947). Illustrations.

Institution : Central Laboratory of Fish Life, Leningrad

Presented by : Academician E. N. Pavlovskiy, May 14, 1954

SAKUN, O. F.

USSR/ Biology - Zoology

Card 1/1 Pub. 22 - 45/49

Authors : Sakun, O. F.

Title : ~~Maturing of the ovum of the Vimba Vimba L fish~~
Maturing of the ovum of the Vimba Vimba L fish

Periodical : Dok. AN SSSR 102/1, 181-183, May 1, 1955

Abstract : The process of the maturation of the ovum of Vimba Vimba L salmon is explained. Fourteen references: 6 USSR, 6 Ger., 1 Eng. and 1 USA (1881-1954). Illustration.

Institution : Lab. of the Fundamentals of Pisciculture

Presented by : Academician Ye. N. Pavlovskiy, January 27, 1955

SAKUN, O.F.

Analyzing the state of sexual glands in vimba ascending by the
Kegums fishway. Uch. zap. LGU no.228:181-191 '57. (MIRA 10:11)
(Western Dvina River--Carp) (Generative organs)

SAKUN, O. F., Candidate Biol Sci (diss) -- "Sexual cells and the function of the sexual glands in the 'syrt' (Vimba vimba L.) under normal conditions and in disorders of reproduction conditions". Leningrad, 1959. 20 pp (Leningrad Order of Lenin State U im A. A. Zhdanov), 150 copies (KL, No 25, 1959, 131)

SAKUN, O.F. (Leningrad, V.O., 16 liniya, 9, kv.2)

Chemical nature and significance of inclusions in the oocytes bony fishes.
Arkh. anat. gist.i embr. 38 no.1:38-42 Ja '60. (MIRA 13:7)

1. Laboratoriya osnov rybovodstva (zav. - prof.N.L.Gerbil'skiy)
Rosglavgosrybvoda.
(OVUM) (FISHES)

PERSOV, G.M.; SAKUN, O.F.

State of gonads in the humpback salmon at various stages of its life cycle in connection with its acclimatization in the basins of the White and Barents Seas. Uch.zap.LGU no.311:92-108 '62.

(MIRA 15:8)

(White Sea--Salmon) (Barents Sea--Salmon) (Generative organs)

SAKUN, Ol'ga Fedorovna; BUTSKAYA, Nataliya Anatol'yevna;
KOSOVA, K.D., red.

[Determination of the stage of maturity and the study of
sex cycles in fishes] Opredelenie stadii zrelosti i izu-
chenie polovykh tsiklov ryb. Moskva, TSentr. laboratoria
po vosproizvodstvu rybnykh zapasov, 1963. 34 p.

(MIRA 17:9)

SAKUN, O.F.

State of the nucleolar apparatus of oocytes in bony fishes during the period preceding meiotic divisions. Dokl. AN SSSR 137 no.3: 749-751. Mr '61. (MIRA 14:2)

1. Predstavleno akademikom Ye.N.Pavlovskim.
(Embryology—~~Fishes~~) (Cell nuclei)

MORA BESSERRA, A.; SAKUN, P.; KOBO, Kh.

U.S.S.R. and Cuba, an example of fraternal cooperation. Vnesh.
torg. 43 no.4:5-13 '63. (MIRA 16:4)

1. Ministr vneshney trgovli Kuby (for Mora Besserra).
2. Torgovyy predstavitel' SSSR v Respublike Kuba (for Sakun).
(Russia—Commerce—Cuba) (Cuba—Commerce—Russia)

SAKUN, P.G.

Leucocytolytic properties of blood serum and their modification
under X-ray irradiation in experimental cancer. Medych. zhur. 23
no.4:39-44 '53. (MLRA 8:2)

1. Institut fiziologii im. O.O.Bogomol'tsya Akademii nauk URSR.
(SERUM) (LEUCOCYTES) (X RAY--THERAPEUTIC USE)

SAKUN, P.A., Cand Med Sci -- (diss) "Variations in the
leukolytic properties of blood serum in cancer and *under the*
influence of as effected by X-rays." Kiev, 1958, 10 pp (Acad Sci *USSR*.
USSR. ~~XXXX~~ Department of Biol Sci) 200 copies (KL, 50-58, 130)

- 111 -

MORGUN, Ye.G.; SAKUN, P.A.; SVISTUN, T.I.; STANETS, M.P.

Effect of gamma rays in small doses on the secretory and motor functions of the stomach in dogs [with summary in English].
Med.rad. 4 no.1:31-35 Ja '59. (MIRA 12:2)

1. Iz laboratorii biofiziki i laboratorii fiziologii pishchevareniya
Instituta fiziologii imeni A.A. Bogomol'tsa AN USSR.

(COBALT, radioactive,

eff. of gastric secretion & motility (Rus))

(STOMACH, effect of radiations,

radiocobalt, on motility (Rus))

(GASTRIC JUICE,

secretion, eff. of radiocobalt (Rus))

PETROVA, I.S.; SAKUN, P.O.

Study of gallbladder function in elderly and senile persons;
roentgenological method. Fiziol. zhur. [Ukr.] 10 no.1:127-129
'64. (MIRA 17:8)

1. Institut gerontologii i eksperimental'noy patologii AMN
SSSR, Kiyev, i Kiyevskiy rentgeno-radiologicheskoy i onkolo-
gicheskoy institut.

SAKUN, P.O.

Leucolytic properties of blood serum under normal and pathological conditions [with summary in English]: Fiziol.shur. [Ukr] 4 no.4:520-527
Jl-Ag '58 (MIRA 11:10)

1. Institut fiziologii im. A.A. Bogomol'tsa AN USSR, laboratoriya
biofiziki.

(SERUM)

(LEUCOCYTES)

SAKUN, V.A., aspirant

Effect of the feeding system on the work of the threshing
unit. Izv. TSKHA no.2:227-231 '62. (MIRA 15:9)
(Combines (Agricultural machinery))

L 12762-63

Pi-4/Pe-4/Pq-4

EW(1)/FCC(w)/BDS/EEC-2/ES(v)
GW

AFTTC/APGC/ASD/ESD-3/SSD
S/169/63/000/004/009/017

AUTHOR: Sakunov, G. G., Yanishevskiy, Yu. D.

TITLE: The ratio of scattered and total radiation to direct solar radiation for the ultraviolet and the visible regions of the spectrum

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 4, 1963, abstract 4B160 (Nauchn. soobshch. In-t geol. i geogr. AN LitSSR, v. 13, 1962, 205-212; summaries in Lithuanian and English)

TEXT: The results of spectrophotometric measurements of radiation from the sun and the sky are presented in the form of ratios of monochromatic radiation from the sun and sky and the total (sun and sky together). Spectra of direct solar radiation falling on the surface normal to the beam and the spectra of total and scattered radiation were measured by a Hilger photographic quartz spectrograph with additional diaphragms for eliminating parasite spectra and with an integrating sphere. The design of the measuring device is described and its basic parameters are given. The procedure for taking

Card 1/2

L 12762-63

S/169/63/000/004/009/017

The ratio of scattered and total radiation...

0

measurements is discussed. The measurements were taken with different cloud cover and different heights of the sun, including twilight. A platinized 8-step quartz attenuator was placed in front of the spectrograph slit. Correction factors were determined for the sphere with the lower exit aperture and central position of the screen for different angles of incidence and residual polarization. Simultaneous observations of radiation by an actinometer with Schott light filters permit obtaining data in absolute units. In order to make comparisons with twilight illuminations, the direct radiation was attenuated by means of a special grating filter. The author presents graphs of ratios of monochromatic scattered and total radiation to direct solar radiation striking a horizontal surface and a surface perpendicular to the incident radiation for 14 wavelengths. The error in the method for taking measurements in the ultraviolet region (315-320 millimicrons) was 30-50 per cent.

[Abstracter's note: Complete translation.]

Card 2/2

SAKUN, V.

Results of the competition. Zashch. rast. ot vred. i bol. 10
no. 5:61 '65. (MIRA 18:6)

SAKUN, V.A.

"An Investigation of a Threshing Device with a Logarithmic Form of Teeth";

dissertation for the degree of Candidate of Technical Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

SAKUN, V.A., kand. tekhn. nauk

Investigating threshing machines with a logarithmic shape of
teeth. Mekh. i elek. sots. sel'khoz. 21 no.5:53 '63.
(MIRA 17:1)

ACC NR: AP/005856

SOURCE CODE: UR/0181/66/008/012/3631/3635

AUTHOR: Sakun, V. P.

ORG: Institute of Chemical Physics, AN SSSR, Moscow (Institut khimicheskoy fiziki AN SSSR)

TITLE: EPR line shape in the presence of interactions that are quadratic in the spin

SOURCE: Fizika tverdogo tela, v. 3, no. 12, 1966, 3631-3635

TOPIC TAGS: epr spectrum, spectral analysis, spin system, Zeeman effect, scattering matrix, matrix element, spin resonance

ABSTRACT: The author uses the equations for the spin density matrix to determine the shape of the EPR curve for spin $3/2$ in a magnetically dilute solid body for the case when the main Zeeman spectrum is distorted by a small perturbation which is quadratic in the spin. The calculation is based on subdividing the entire ensemble of particles into subensembles in which the particles have an identical arrangement with respect to their surroundings and with respect to the external magnetic field. The results obtained for each subensemble are averaged. The system of equations for the matrix elements of the ensembles are derived in a standard fashion, however, and solved for the case of spin $3/2$. The case when the resonance curve consists of unresolved peaks is discussed. When the peaks can be resolved, each is shown to have a Lorentz shape. When they are not resolved, owing to the presence of defects in a single crystal or in the case of powdered material, the formulas for the line shape are too complicated

Card 1/2

ACC NR: AF7005856

to treat analytically. The author thanks I. V. Aleksandrov for suggesting the topic.
Orig. art. has: 1 figure and 12 formulas.

SUB CODE: 20/ SUBM DATE: 27 Jun 66/ ORIG REF: 002/ OTH REF: 003

Card 2/2

SAKUN, V.P.; BUCHACHENKO, A.L.; ALEKSANDROV, I.V.

Analysis of electron paramagnetic resonance spectra of some poly-
radicals in the presence of unpaired electron exchange. Teoret. i
eksper. khim. 1 no.2:269-271 Mr-Apr '65. (MIRA 18:7)

1. Institut khimicheskoy fiziki AN SSSR, Moskva.

BABARYKIN, V.K.; BARANOV, G.I., mladshiy nauchnyy sotrudnik; BARDIN, G.I.,
mladshiy nauchnyy sotrudnik; SAKUNOV, G.G., mladshiy nauchnyy sotrudnik

Albedo of the Antarctic ice surface. Inform.biul.Sov.antark.eksp.
no.48:22-24 '64. (MIRA 18:2)

1. Tsentral'naya aerologicheskaya observatoriya, Arkticheskiy i
antarkticheskiy nauchno-issledovatel'skiy institut i Glavnaya
geofizicheskaya observatoriya.

SAKUNOV, M.K., inzh.; KHROMOV, N.N., inzh.

System for the self-alignment of the sectional columns of the main
building of a state regional electric power plant. Energ. stroi.
no.1:17-18 '65. (MIRA 18:7)

SAKHNOV, V. I.

Dr. S. Iyabalov, V. I. Sakhanov, and N. S. Tkachenko, Analiza zheleznykh i manganitsnykh rud (Analysis of Iron and Manganese Ore), Metallurgizdat.

The booklet presents practical methods of analysis of iron and manganese ore in mine and plant laboratories, describing methods of selection and preparation of assays, laboratory technique, apparatus for physicochemical methods of analysis, and accident prevention in chemical laboratories.

The book is intended for mine and plant laboratory workers.

SO: Sovetskoye Imeni (Soviet Books), No. 187, 1953, Moscow, (U-6472)

Sakunov, Valentin Ivanovich

LYALIKOV, Yuriy Sergeyevich; SAKUNOV, Valentin Ivanovich; TKACHENKO, Nikolay Stepanovich; GENEROZOV, B.A., redaktor; YEZDOKOVA, M.L., redaktor; EVENSON, I.M., tekhnicheskij redaktor.

[Analysis of iron and manganese ores] Analiz zheleznykh i margantsevykh rud. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1954. 272 p. (MIRA 8:1)

(Iron ores--Analysis) (Manganese ores--Analysis)

SAKUNOV, V. I.

✓
Notes
The Use of Carbon Dioxide Instead of Oxygen in the Determination of Sulphur in Ores. A. V. Dobzhanski and V. I. Sakunov. (Zavodskaya Laboratoriya, 1955, 21, (4), 389-400). [In Russian]. The low results of determinations of sulphur in ore by oxidation in oxygen or air followed by uncorrected iodine titration were shown to be due to oxidation of sulphur dioxide to trioxide. The oxidation of the dioxide occurs in the cold parts of the tube, especially if the walls are contaminated with iron. This is avoided by oxidizing with carbon dioxide. Sulphide-sulphur is converted to the dioxide at 1100-1200° C, the temperature for sulphide being 1300° C. This method gave satisfactory results with a wide variety of iron and other ores, sinter, and coke ash. — S. K.

2

SAKUNOV, V.I.

137-58-5-11110

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 315 (USSR)

AUTHORS: Tkachenko, N.S., Sakunov, V.I.

TITLE: Determination of Arsenic in Iron Manganese Ores and Sinters
(Opredeleniye mysh'yaka v zheleznykh margantsevykh rudakh i aglomeratakh)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii. Ukr. resp. pravl., 1956, Vol 4, pp 125-126. Comments, pp 131-137

ABSTRACT: A weighed portion of ore is fused with Na_2CO_3 and ZnO and is then leached in H_2SO_4 (1:4) in the presence of $\text{H}_2\text{C}_2\text{O}_4$. KBr , HCl , and hydrazine sulfate or hydrazine chloride are added, and the As is driven off by distillation. After evaporating the distillate with HNO_3 and adding a molybdate-hydrazine mixture, the solution is heated to the boiling point, is allowed to cool, and is then analyzed by colorimetric methods.

P. K.

1. Arsenic--Determination
2. Ores--Test methods
3. Colorimetry--Applications

Card 1/1

AKABORI, S.; SAKURAI, S.; IZUMI, Y.; FUJII, Y.

An asymmetric catalyst—a hydrogenase model [in English with summary in Russian]. Biokhimiia 22 no.1/2:154-156 Ja-F '57.
(MIRA 10:7)

1. Belkovaya Laboratoriya fakul'teta yestestvennykh nauk Osakskogo Universiteta, Yaponiya.

(DEHYDROGENASES,

hydrogenase as asymmetric catalyst)

KHORTSEV, B.; SAKUTO, N.

Against confusion in problems concerning the utilization of fixed capital in grain milling enterprises ("Ways of improving the utilization of fixed capital in grain milling enterprises" by A.K. Pavliuchenkov. Reviewed by B.Khortsev and N.Sakuto). Muk.-elev. prom. 26 no.1:31-32 Ja '60. (MIRA 13:6)

1. Glavnyy tekhnolog po muke proizvodstvenno-tekhnicheskogo upravleniya Gosudarstvennogo komiteta Soveta Ministrov SSSR po khleboproduktam (for Khortsev). 2. Zamestitel' nachal'nika planovo-finansovogo otdela Gosudarstvennogo komiteta Soveta Ministrov SSSR po khleboproduktam (for Sakuto).

(Flour mills)
(Pavliuchenkov, A.K.)

SAAKASHVILI, Mikhail Georgiyevich; GELASHVILI, Avtandil Petrovich;
SAKVARELIDZE, D.S., otv.red.; AKHVLEDIANI, G.S., red.; TSULU-
KIDZE, A.P., red.; MELIKISHVILI, G.A., red.; ERISTAVI, K.D., red.;
MENTESHASHVILI, I.T., red.; TATISHVILI, I.Ya., red.; BERIDZE,
V.V., red.; APAKIDZE, A.M., red.; YAKIMOVA, A., tekhn.red.

[Illustrations to the history of medicine in Georgia; from ancient
times to the 19th century] Illiustratsii k istorii meditsiny
Gruzii; s drevneishikh vremen do XIX veka. Tbilisi, Gos.izd-vo
"Sabchota Sakartvelo," 1959. 127 p. (MIRA 13:9)
(GEORGIA--MEDICINE)

SAKVARELIDZE, D. S., Cand Med Sci -- (diss) "Materials for the study of the structural alterations of the skin and its peripheral nerve mechanisms during itching. (Experimental morphological research and clinical observations)." Tbilisi, 1960. 50 pp; (Tbilisi State Medical Inst); 200 copies; price not given; (KL, 29-60, 127)

SAKVARELIDZE, David Semenovich

[Herpes; etiopathogenesis, clinical aspects and treatment]
[Gerpes; etiopatogenez, klinika i lechenie. Tbilisi, Gog.
izd-vo "Sabchota Sakartvelo"] 1963. 97 p. [In Georgian]
(MIRA 17:4)

SAKVARELIDZE I I.

797. Папашвили Вазис Георгиевич. Исследование приземности нисходящих потоков в атмосфере. Диссертация на соискание ученой степени кандидата физико-математических наук. Тбилиси: Изд-во ТбГУ, 1954, 23 с. (Ист. физики АН Груз. ССР). Заг. 1954, 11.11.
798. Папашвили Константин Иосифович. Характеристика осадков в Грузии с точки зрения динамики атмосферных процессов. Заг. 1948, 30.3.
799. Прагмашвили Георгий Мекакселович. Применение метода первого вступления упругих волн в разрез геологической структуры при сейсмической разведке. Диссертация на соискание ученой степени кандидата физико-математических наук. Тбилиси: Изд-во ТбГУ, 1941, 20 с. [2] Вл. А. Некоторые особенности обратного хода волны первого вступления при сейсмической разведке. Заг. 1941, 2.1.
800. Цактуришвили Асвас Семенович. Исследование осадков в Грузии с точки зрения динамики атмосферных процессов. Диссертация на соискание ученой степени кандидата физико-математических наук. Тбилиси: Изд-во ТбГУ, 1954, 23 с. (Ист. физики АН Груз. ССР). Заг. 1954, 11.11.
801. Собакидзе Армада Виссарионовна. Синтез метеорологических данных. Диссертация на соискание ученой степени кандидата физико-математических наук. Тбилиси: Изд-во ТбГУ, 1954, 23 с. (Ист. физики АН Груз. ССР). Заг. 1954, 11.11.
802. Сулакшадзе Георгий Константинович. Влияние физических факторов на образование и структуру снежного покрова Западной части Грузии. Заг. 1947, 9.12.
803. Хвасладзе Натела Семеновна. Исследование скорости движения магнитного поля Земли. Заг. 1956, 23.6.
804. Цаква Александр Александрович. По наблюдениям Тбилисской сейсмической станции. Заг. 1941, 2.1.
805. Цактуришвили Асвас Семенович. Исследование осадков в Грузии с точки зрения динамики атмосферных процессов. Диссертация на соискание ученой степени кандидата физико-математических наук. Тбилиси: Изд-во ТбГУ, 1954, 23 с. (Ист. физики АН Груз. ССР). Заг. 1954, 11.11.
806. Цаква Александр Александрович. По наблюдениям Тбилисской сейсмической станции. Заг. 1941, 2.1.
807. Цаква Александр Александрович. По наблюдениям Тбилисской сейсмической станции. Заг. 1941, 2.1.
808. Цаква Александр Александрович. По наблюдениям Тбилисской сейсмической станции. Заг. 1941, 2.1.
809. Цаква Александр Александрович. По наблюдениям Тбилисской сейсмической станции. Заг. 1941, 2.1.
810. Цаква Александр Александрович. По наблюдениям Тбилисской сейсмической станции. Заг. 1941, 2.1.

Dissertation for degree of
Candidate Physical-Mathematical Sciences

Def. at
Tbilisi State U.

SAKVARELIDZE, I. I.

SAKVARELIDZE, I. I. -- "Study of the Energy Spectrum of the Penetrating Particles of Wide Atmospheric Showers of Cosmic Rays at an Altitude of 400 Meters Above Sea Level." *Dissertations For Degrees In Science and Engineering Defended at USSR Higher Educational Institutions)(29) Acad Sci Georgian SSR, Tbilisi State U imeni I. V. Stalin, Tbilisi, 1955

SO: Knizhnaya Letopis' No 29, 16 July 1955

* For the Degree of Candidate in Physicomathematical Sciences

SAKVAR ELIDZE, I. I.

19
Investigation of cosmic rays under the earth. B. L.
Andronikashvili, M. T. Dvalishvili, I. I. Sakvaridze, and
G. R. Khutsishvili. *Bull. Acad. U.S.S.R., Phys. Ser.* 6, 619-24 (1965) (English translation).—See C.A. 50, 7617c.
R. M. R.

RMF
my

ANDRONIKASHVILI, E.L.; BILILASHVILI, M.F.; SAKVARELIDZE, I.I.; KHUTSISHVILI, G.R.

Underground investigation of cosmic rays. Izv. AN SSSR. Ser. fiz. 19 no. 6:
681-686 N-D '55. (MLRA 9:4)

1. Institut fiziki Akademii nauk Gruz. SSR.
(Cosmic rays) (Nuclear physics)

SAKVARELIDZE, I. I.

USSR/Nuclear Physics - Cosmic Rays, C-7

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 34134

Author: Sakvarelidze, I. I.

Institution: Institute of Physics, Academy of Sciences Georgian SSR

Title: Energy Spectrum of Penetrating Particle of Extensive Atmospheric Showers of Cosmic Rays

Original Periodical: Zh. eksperim. i teor. fiziki, 1956, 30, No 3, 458-463

Abstract: A study is made of the decrease in the intensity of the penetrating shower particles under lead and under rock at a depth of 3.7, 5.9, 27, 65.5, and 148 m of water equivalent at an altitude of 400 m above sea level. On the basis of the obtained variation of intensity with depth, an integral energy spectrum of the penetrating shower particles was obtained in the form of a power function of the form $(\text{const. } E^{-\gamma})$, where $\gamma = 0.62 \pm 0.05$ (for the energy interval $5 \times 10^8 - 3 \times 10^{10}$ ev).

1 of 1

- 1 -

GEDEVANISHVILI, L.D.; SAKVARELIDZE, I.I.

Separation curve of the μ -meson component of cosmic rays. Soob. AN
Gruz. SSR 32 no.2:297-300 '63. (MIRA 18:1)

1. Tbilisskiy gosudarstvennyy universitet. Submitted July 20, 1962.

L 27901-66 EWT(m)/FCC/T IJP(c)

ACC NR: AP5024628

SOURCE CODE: UR/0048/65/029/009/1667/1668

AUTHOR: Apshev, S. Zh.; Dadov, A.M.; Sakvarelidze, I.I.; Nakov, R.A.

ORG: none

TITLE: Production of Λ^0 , K^0_1 and $\Sigma^\pm$ particles in interactions of cosmic rays with carbon, copper, and lead nuclei /Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1667-1668

TOPIC TAGS: cosmic ray particle, hyperon, K meson, particle production

ABSTRACT: The authors have determined the relative production rates in carbon, copper and lead targets of hyperons and K mesons by cosmic ray particles accompanying penetrating showers with the aid of a double Wilson chamber in an 8000 Oe magnetic field. The target was mounted between the two sections of the double Wilson chamber and the following decay processes were detected $\Lambda^0 \rightarrow p + \pi^-$, $K^0_1 \rightarrow \pi^+ + \pi^-$, $\Sigma^\pm \rightarrow \pi^\pm + N$. In a total of 2940 penetrating showers there were observed 54 unstable particles. The numbers of unstable particles produced in the different targets are consistent with the assumption that the cross section is proportional to the two-thirds power of the atomic weight, in agreement with the findings of T.Bowen, I.Hardy, G.T.Reinolds, C.R.Sun, G.Tagliaferri, and A.E.Werbrouck (Phys. Rev., 119, 2030, 2041, 1960) for the production

Card 1/2

0901 0339

L 27901-66

ACC NR: AP5024628

of unstable particles in carbon, iron, and lead by 1.5 BeV pions and 2.8 BeV protons.
Orig. art has: 1 table.

SUB CODE: NP/ SUBM DATE: 00/

ORIG REF: 000/ OTH REF: 001

Card 2/2

AGLAMAZOV, V.A.; BURDULI, A.V.; GEDEVANISHVILI, L.D.; KOKHODZE, L.Sh.;
PONEZHEV, M.Kh.; SAKVARELIDZE, I.I.; KHAZARADZE, N.G.

Fluctuations in the spatial distribution of μ -mesons in
extensive air showers. Izv. AN SSSR. Ser. fiz. 29 no.9:
1686-1689 S '65. (MIRA 18:9)

L 4484-66 EWT(m)/FCC/T IJP(c)

ACC NR: AP5024634

SOURCE CODE: UR/0048/65/029/009/1686/1689

AUTHOR: Aglamazov, V.A.; Khazaradze, N.G.; Burduli, A.Y.; Gedevanishvili, L.D.;
Kokhodze, L. Sh.; Ponezhev, M.Kh.; Sakvarelidze, I.I.

ORG: none

TITLE: On fluctuations in the lateral distribution of muons in extensive air showers
/Report, All-Union Conference on Cosmic Ray Physics held at Apatity 24-31 August 1964/

SOURCE: AN SSSR, Izvestiya. Seriya fizicheskaya, v. 29, no. 9, 1965, 1686-1689

TOPIC TAGS: secondary cosmic ray, muon, extensive air shower, particle distribution

ABSTRACT: The authors have investigated the lateral distribution of penetrating particles accompanying extensive air showers. The showers were detected by three 0.07 m^2 scintillation counters at the vertices of an isosceles right triangle having 10 m legs. The position and direction of the shower axis were determined with the aid of six trays of Geiger counters located at the vertices and at the centers of the 70 m sides of an equilateral triangle. The penetrating particle detector was located 200 m.w.e. below the center of the surface assembly and comprised six systems of two 6.5 m^2 trays of 15 counters each, the two trays of each system being separated by 15 cm of lead. In order to avoid errors due to delta electrons, triggering of two adjacent counters was always ascribed to passage of a single penetrating particle. Data on over 10^4 showers with

Card 1/2

ACC NR: AP5024634

total number of particles ranging from 5×10^4 to 5×10^6 are tabulated. The lateral distribution of penetrating particles was found to be in good agreement with the formula of S.Bennet and K.Greisen (Physl Rev., 124, 6, 1961). Many more cases were observed in which two or more (up to 5) penetrating particles were recorded in a single shower than can be accounted for by random fluctuations, considering the low flux of penetrating particles and the small area of the detector. It is concluded that correlated groups of muons occur in the column of an extensive air shower, and it is suggested that these may be due to fluctuations in the elementary interaction of ultrahigh energy nucleons. The relation between the frequency of coincidences in the penetrating particle detector and the distance between the two counters involved was in good agreement with that found by L.D.Gedevanishvili and I.I.Sakvarelidze (Soobshcheniya AN GruzSSR, 32, No.2, 297, 1963). In conclusion, the authors express their gratitude to E.L.Andronikavshvili for his guidance of the work, and to M.F.Bibilashvili, R.N.Kazarov, G.Ye.Chikovani, A.K.Dzhavrisvili, and I.V.Khaldeyeva for assistance with the work.

SUB CODE: NP/ 8 URM DATE: 00/

ORIG REF: 001/ OTH REF: 001

CC
Card 2/2

ACC NR: AP7007078

SOURCE CODE: UR/0048/66/030/010/1662/1665

AUTHOR: Bezus, V. A.; Gedevanishvili, L. D.; Kazarov, R. Ye.; Kirillov-Ugryumov, V. G.; Kotov, Yu. D.; Kuridze, R. V.; Rozental', I. L.; Sakvarelidze, I. I.

ORG: Institute of Physics, AN GruzSSR (Institut fiziki AN GruzSSR); Moscow Engineering Physics Institute (Moskovskiy inzhenerno-fizicheskiy institut); Tbilisi State University (Tbilisskiy gosudarstvennyy universitet)

TITLE: Study of high-energy muons at a complex installation [Paper presented at the All-Union Conference on Cosmic Radiation Physics, Moscow, 15-20 Nov 1965]

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 10, 1966, 1662-1665

TOPIC TAGS: muon, cosmic radiation, calorimeter

SUB CODE: 20

ABSTRACT: A study of high-energy cosmic radiation muons was carried out at an installation consisting of an ionization calorimeter located in a tunnel at a depth of 130 m from the surface and five groups of hodoscopic counters on the surface which recorded showers accompanying the muons. The experimentally determined ionization burst spectrum of the muons could be described by the equation $T(>k) = T_0 k^{-\gamma}$, where k is the magnitude of the burst expressed in an equivalent number of relativistic particles. γ was 2.0 at $k = 1000-4000$, which corresponded to $\gamma = 2.5$ for the vertical flux of muons. The principal contribution to the bursts recorded was made by muons with a energy of 3×10^{11}

Card 1/2

ACC NR: AP7007078

$\sim 2 \times 10^{12}$ ev. At a projection angle $\leq 70^\circ$, at which no more than two adjacent ionization chambers in the six vertically arranged rows in the ionization calorimeter operated, γ was 2.2. During 765 hours of operations, corresponding to 1100 recorded bursts, the latter were accompanied by broad showers

($N_e = 5 \times 10^4 - 5 \times 10^5$) in nine cases. From a statistical standpoint, this result was insufficient for definite conclusions with regard to the correlation between muons and showers. The authors thank E. L. Andronikashvili and G. Ye. Chikovani for their interest and discussions, which greatly helped in the research. Orig. art. has: 4 figures and 1 formula. [JPRS: 39,658]

Card 2/2

SAKVAREI TZE, I.M.

Study of biochemical changes in the distant hybrids of Georgian
wheats. Trudy Tbil.bot.inst. 23:147-157 '64.

(MIRA 18:4)

SAKVARBLIDZE, L.A.

MARUASHVILI, G.M.; SAKVARBLIDZE, L.A.; AMTIASHVILI, I.G.

Trichinosis in Georgia. Med.paraz. i paraz.bol.supplement to no.1:
68 '57. (MIRA 11:1)

1. Iz Instituta malyarii i meditsinskoy parazitologii imeni prof.
S.S.Virsaladze Ministerstva zdravookhraneniya Gruzinskoy SSR i
infektsionnogo otdeleniya Signagskoy rayonnoy bol'nitsy.
(GEORGIA--TRICHINA AND TRICHINOSIS)

SAKVARALIDZE, I. A.

Specific Prevention of Pertussis, published by MEDIZ. SSSR, 1955
ed. by M. S. Zakharova, Dir. Inst. of Specific Prophylaxis of Pertussis,
Inst. Epidem. and Microbiol. in B.P. Gamaleya,
Acad. Med. Sci. USSR

At the scientific conference on the specific prophylaxis of pertussis conducted by
the Institute of Epidemiology and Microbiology in B. P. Gamaleya, Acad. Med. Sci.
USSR, together with other institutes and medical establishments, papers were read by
the following: (see Table of Contents)

M. S. Zakharova (Inst. of Epidem. and Microbiol. in B. P. Gamaleya Acad. Sci. USSR): Problem of specific prophylaxis of pertussis	3
A. V. Gerdina and I. A. Lashurina (same as Zakharova): Effectiveness of pertussis immunization in epidemiologic observations	15
M. A. Budash'yan (2nd Moscow Med. Inst. in B. I. Pirogov): Clinical- epidemiologic effectiveness of the pertussis vaccine in epidemics	25
A. V. Silabova (Inst. of Pediatrics and USSR): Clinical study of reactions in children vaccinated with pertussis vaccine	37
T. G. Filasova et al. (Kiev Inst. of Epidemiol. Microbiol. and Hygiene and Inst. for the Care of Mothers and Children of the Ukrainian SSR): Study of the effectiveness of immunization against pertussis	45
M. S. Zakharova and T. I. Prokhorova (Central Scientific Res. Lab. of Epidemiology and Microbiology of the Ministry of Communications USSR): Effectiveness of vaccination with pertussis vaccine among infants in the Moscow Railroad Day Nursery	53
B. Y. Geras'inskiy et al. (Dnepropetrovsk Scientific Res. Inst. for Vaccines and Sera): Effectiveness of vaccination against pertussis in epidemiologic observation	59
B. V. Gerdina and T. B. Remova (see above): Epidemiologic effectiveness of pertussis-diphtheria vaccination	65
A. A. Sakvaralidze (Republican Sanitary-Epidemiologic Station of the Ministry of Health of the Georgian SSR): Epidemiologic and immunologic effectiveness and reactogenicity of the pertussis- diphtheria vaccine	75
I. P. Vasil'yevskiy et al. (Tomsk Scientific Res. Inst. for Vaccines and Sera): Reactogenicity and epidemiologic effectiveness of adsorbed pertussis-diphtheria and pertussis vaccines	87
M. A. Soskova (Leningrad Inst. of Epidemiol. Microbiol. and Hygiene in. Pasteur): Data on reactogenicity and immunologic and epide- miologic effectiveness of the pertussis and pertussis-diphtheria vaccine	95
B. G. Yezerskiy et al. (The Central, etc. see Zakharova above): Experience in the use of pertussis and pertussis-diphtheria vaccine in Children's Institutions of the Railroad Transport System	103
V. A. Katsenelenba (Republican Sanitary-Epidemiologic Station of the Ukrainian SSR): Study of reactogenicity and epidemiologic effectiveness of pertussis and pertussis-diphtheria vaccine	112

SAKVAELIDZE, L. A. ; Cand Med Sci — (diss) "The epidemiology of whooping cough and the study of the effectiveness of the whooping cough diphtherial vaccination in the Georgian SSR," Moscow, 1960, 16 pp, 300 cop (Academy of Medical Sciences USSR) (KL, 43-60, 119)

SAKVARELIDZE, I.A.

Campaign for decreasing and eliminating infectious diseases.

Med.sestra 19 no.4:3-6 Ap '60.

(MIRA 13:6)

1. Iz Ministerstva zdravookhraneniya SSSR, Moskva. Zamestitel'
nachal'nika Gosudarstvennoy sanitarnoy inspeksii.
(COMMUNICABLE DISEASES--PREVENTION)

SAKVARELIDZE, LIA.

"Problem of pox liquidation" (F.2.1.) (2) "About the problem of anti-cholera combat"

report to be submitted for the United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas - Geneva, Switzerland, 4-20 Feb 63.